



United States Patent and Trademark Office

UNITED STATES: DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

		-4				
APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/015,616		12/17/2001	Yuji Tochio	1344.1080	7298	
21171	7590	04/22/2003				
STAAS & HALSEY LLP 700 11TH STREET, NW SUITE 500				EXAMINER		
				RODRIGUEZ, ARMANDO		
WASHINGTON, DC 20001			ART UNIT	PAPER NUMBER		
				2828		
			DATE MAILED: 04/22/2003			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
	•	7						
Office Action Summers	10/015,616	TOCHIO, YUJI						
Office Action Summary	Examiner	Art Unit						
The MAILING DATE of this communication and	Armando Rodriguez	correspond nee address						
The MAILING DATE of this communication app ars on the cover shet with the correspond nce address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statury period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status								
1)⊠ Responsive to communication(s) filed on <u>Marc</u>	<u>ch 18, 2003</u> .							
2a)⊠ This action is FINAL . 2b)⊡ Thi	s action is non-final.							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims								
4)⊠ Claim(s) <u>1-14</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5)⊠ Claim(s) <u>1-13</u> is/are allowed.		D at						
6)⊠ Claim(s) <u>14</u> is/are rejected.		Paulop						
7) Claim(s) is/are objected to.	CUD	PAUL IP ERVISORY PATENT EXAMINER						
8) Claim(s) are subject to restriction and/or election requirement. **SUPERVISORY FACELY Extends of FACELY Extends								
9)☐ The specification is objected to by the Examiner.								
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) All b) Some * c) None of:								
1. Certified copies of the priority documents have been received.								
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 								
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) ☐ The translation of the foreign language provisional application has been received. 15)☑ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Attachment(s)								
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ry (PTO-413) Paper No(s) I Patent Application (PTO-152)						

Application/Control Number: 10/015,616

Art Unit: 2828

DETAILED ACTION

Response to Arguments

Applicant's arguments, see pages 2 and 3, filed March 18, 2003, with respect to the rejection(s)of claim(s) 14 under 35 U.S.C. 102 (b) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of the newly found prior art.

Claim Rejections - 35 USC § 102

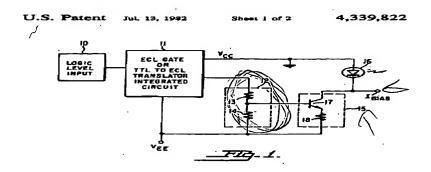
The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 14 is rejected under 35 U.S.C. 102(b) as being anticipated by Kolodzey (PN 4,339,822).

Figure 1 illustrates a circuit providing high speed modulation of a semiconductor laser, where the semiconductor diode laser (16) receives a pre-biased current as I_{BIAS}, a bias current established by means (12) and a modulation current established by means (15), as described in column 2 lines 23-62 and column 3 lines 1-42.



Application/Control Number: 10/015,616

Art Unit: 2828

Allowable Subject Matter

Claims 1-13 are allowed.

The following is an examiner's statement of reasons for allowance:

After reviewing applicant's arguments and conducting an updated search examiner finds that none of the cited prior arts alone or in combination discloses the claimed semiconductor laser driver circuit having the claimed limitations of independent claims 1 and 13.

Regarding claims 1-12.

None of the cited prior arts disclosed the claimed structural combination of independent claim 1 having a first bias current supply means at a time of non-output data for driving the semiconductor laser, a signal processing means for generating a pulse current control signal and generating a second bias current control signal that rises more rapidly, by a predetermined time, than the rise of the burst data included in the pulse current control signal, a pulse current supply means for generating a pulse current in accordance with the pulse current control signal of the signal processing means and a second bias current supply means for generating a second bias current for driving the semiconductor laser in accordance with the second bias current control signal of the signal processing means, where the recited means having the structural arrangement as described within the specification.

Regarding claim 13.

None of the cited prior arts disclosed the claimed method of independent claim

13 of generating a first bias current at a time of non-output data for driving the

Application/Control Number: 10/015,616

Art Unit: 2828

semiconductor laser, generating a pulse current control signal in which the data signal is delayed and generating a second bias current control signal, generating a pulse current in accordance with the pulse current control signal and generating a second bias current for driving the semiconductor laser in accordance with the second bias current control signal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Applicant's amendment filed on September 11, 2002 necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 2828

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Armando Rodriguez whose telephone number is (703) 308-6218. The examiner can normally be reached on 10-hour day / M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7721 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-4881.

Armandø Rodriguez

Examiner

Art Unit 2828

AR/PI

April 15, 2003

Paul Ip

Supervisor

Art Unit 2828